

Title (en)
EMBEDDED SYSTEM FOR CONSTRUCTION OF SMALL FOOTPRINT SPEECH RECOGNITION WITH USER-DEFINABLE CONSTRAINTS

Title (de)
EINGEBETTETES SYSTEM ZUR KONSTRUKTION VON SPRACHERKENNUNG MIT KLEINEM PLATZBEDARF UND BENUTZERDEFINIERTEN EINSCHRÄNKUNGEN

Title (fr)
SYSTÈME INTÉGRÉ POUR CONSTRUCTION DE RECONNAISSANCE VOCALE DE FAIBLES EMPREINTES AVEC CONTRAINTES DÉFINISSABLES PAR L'UTILISATEUR

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Application
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Priority
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Abstract (en)
[origin: US2013289994A1] Techniques disclosed herein include systems and methods that enable a voice trigger that wakes-up an electronic device or causes the device to make additional voice commands active, without manual initiation of voice command functionality. In addition, such a voice trigger is dynamically programmable or customizable. A speaker can program or designate a particular phrase as the voice trigger. In general, techniques herein execute a voice-activated wake-up system that operates on a digital signal processor (DSP) or other low-power, secondary processing unit of an electronic device instead of running on a central processing unit (CPU). A speech recognition manager runs two speech recognition systems on an electronic device. The CPU dynamically creates a compact speech system for the DSP. Such a compact system can be continuously run during a standby mode, without quickly exhausting a battery supply.

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